|  |
| --- |
| E-Gram Seva |
| System Test Case v1.0 |
| Team 22 March 15, 2013 |

|  |
| --- |
|  |

**REVISION HISTORY**

|  |  |  |
| --- | --- | --- |
| **Version** | **Author** | **Date** |
| Version 1 | Abhishek Shukla | MARCH 15, 2013 |
| Review Version 1 | Rutvik Jhala | MARCH 20, 2013 |

**CONTENTS**

1. **Glossary……………………….…………………………………………………..…4**
2. **Modules to be tested……….……………………...............................................4**
3. **Test Cases Description…………………………………………………………..5**

3.1 Accessing the homepage..………..…..…………………...……………………..5

3.2 Sign in…………………………………….………………..…………………….....5

3.3 Registration (online).........…...........................................................................6

3.4 Registration (mobile).........…..........................................................................6

3.5 User specific tests .........….............................................................................7

3.6 Admin specific tests .........…..........................................................................8

3.7 Queries……………………………………………………………………………..8

3.8 Translator…………………………………………….…………………………….8

3.9 SMS transmission and reception via Diafaan……….……………….………...9

3.10 Database ………………………………………………………………………....9

3.11 Hyperlink …………………………………………………………………………9

3.12 Seeds’ price for news………………………………………………………….10

**Glossary:-**

1. Test Case ID: Signifies the Case ID of the test case.
2. Prerequisite: The condition which must be satisfied before the execution of the test case.
3. Description: Briefly describes the test case.
4. Expected Output: The output that should be achieved.

**Modules to be Tested are:-**

1. 1. Accessing the homepage
2. 2. Sign in
3. 3.Registration (online)
4. 4.Registration (mobile)

5. User Specific Tests

* 1. a. Edit Registrations (register/ deregister)
  2. b. News navigation
  3. c. Forgot Password

1. d. Change password
2. 6. Admin Specific Tests
   1. a. News Updating (Ripper)
   2. b. Message sending
   3. c. Statistics

7. Queries

8. Translator

9. Message sending and receiving

10. Database

11. Hyperlink

**Test Cases Description**

1. **Accessing the homepage**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case** | **Prerequisite** | **Data to be Tested** | **Expected Output** |
| **T-1** | Entering incorrect URL | User uses web browser to navigate web pages. | URL | Browser will show the error message that page not found or different site will open |
| **T-2** | Entering correct URL | User uses web browser to navigate web pages. | URL | Home page of the website will be displayed by the browser |

**2. Sign in**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case** | **Prerequisite** | **Data to be Tested** | **Expected Output** |
| **T-3** | Blank Mobile No | Every Registered user has mobile no and password stored in the database | Mobile no | An Error message will be displayed on the screen asking user to re-enter the mobile no and Password |
| **T-4** | Blank Password | Every Registered user has mobile no and password stored in the database | Mobile no and Password | An Error message will be displayed on the screen asking user to re-enter the mobile no and Password |
| **T-5** | Invalid mobile no | Every Registered user has username and password stored in the database | Mobile no and Password | An Error message will be displayed on the screen asking user to re-enter the mobile no and Password |
| **T-6** | Invalid Password | Every Registered user has mobile no and password stored in the database | Mobile no and Password | An Error message will be displayed on the screen asking user to re-enter the mobile no and Password |
| **T-7** | Correct Username & Password | The user has registered to this site. | Username and Password | The Home Page of the Person will be displayed by the browser |

1. **Registration (Online)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case** | **Prerequisite** | **Data to be Tested** | **Expected Output** |
| **T-8** | Blank Fields during registration | Some of the fields left unfilled | Mobile No, Password, Subscription | An error message will be displayed saying that the fields cannot be left blank |
| **T-9** | Invalid mobile no(alphanumeric or special character or less than or more than 10 digit no ) | Register button clicked | Mobile no | An message will be displayed saying to input correct mobile no |
| **T-10** | Short Password or different password in the 1st & 2nd iteration | Register button clicked | Match the Password typed in the 1st iteration with the password in the 2nd iteration | An error message saying that password typed differ |
| **T-11** | Mobile no already registered | Register button clicked | Mobile No | Message saying that user is already registered and loading the login page |
| **T-12** | Successful registration | Valid and correct data in all the data fields | Mobile No, Password, Subscription | A message will be displayed saying that you have successfully registered and database is updated , redirected to login page |

1. **Registration (from mobile)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case** | **Prerequisite** | **Data to be Tested** | **Expected Output** |
| **T-13** | Blank registration message | Registration message | Registration message | A reply message will be sent saying that improper format of message |
| **T-14** | Message does not contain “REG” | Registration message | Registration message | A reply message will be sent saying that improper format of message |
| **T-15** | Message language not English | Registration message | Registration message | A reply message will be sent saying that improper format |
| **T-16** | Non existing registration category | Registration message | Registration message | A reply message will be sent saying that the category does not exist |
| **T-17** | Successful registration | Valid category and correct format | Registration message | A message will be sent saying that you have successfully for category xyz & login password, database is updated, redirected to login page, |

1. **User specific tests**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case** | **Prerequisite** | **Data to be Tested** | **Expected Output** |
| **T-18** | Change Subscription | Registered user should click Edit Subscription | Value of edit subscription button | Page redirection to subscription form |
| **T-19** | Forgot password | Forgot password button clicked | Value of forgot password button, Mobile no | Message sent to mobile no containing new password |
| **T-20** | Password Change | Registered user should click Change password | Value of change password button, Mobile no | Password changed and database updated |
| **T-21** | News navigation | News link clicked | Working hyperlink | News opens in new tab |

1. **Admin specific tests**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Case ID | Test Case | Prerequisite | Data to be tested | Expected output |
| T-22 | Send message to registered candidate | Admin login | Mobile no. where message is being sent | Information containing message should be sent |
| T-23 | Statistics | Admin login | Subscription and user database | All users and their subscription is shown |

1. **Queries**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case** | **Prerequisite** | **Data to be Tested** | **Expected Output** |
| **T-24** | Blank message received | Message received | Received message | A reply message will be sent saying that improper format of message |
| **T-25** | Non existing category | Message received | Received message | A reply message will be sent saying that improper format of message |
| **T-26** | Existing category queried | Message received | Received message | Disease Information of the Queried ID is sent |

1. **Translator**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case** | **Prerequisite** | **Data to be Tested** | **Expected Output** |
| **T-27** | Word Translation | News to be translated has been stored | Message to be translated | Single words translated correctly |
| **T-28** | Grammatical translation | News to be translated has been stored | Message to be translated | Words are being translated correctly with certain grammatical accuracy |

1. **SMS transmission and reception via Diafaan**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case** | **Prerequisite** | **Data to be Tested** | **Expected Output** |
| **T-29** | Message Received | Netconnectivity | Message\_IN database | Message should be stored in message\_in database |
| **T-30** | Message Sent | Netconnectivity | Message\_OUT database | Message should be stored in message\_out database |

1. **Database**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case** | **Prerequisite** | **Data to be Tested** | **Expected Output** |
| **T-31** | Updating | Database modification | Database | Triggers should be run and database should be updated |

1. **Hyperlink**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case** | **Prerequisite** | **Data to be Tested** | **Expected Output** |
| **T-32** | Hyperlinks | Hyperlinked objects accessed | Hyperlink status | Redirection of user to the linked page |

1. **Seeds’ price for news**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case** | **Prerequisite** | **Data to be Tested** | **Expected Output** |
| **T-33** | Prices being captured | Ripper scheduled and running | Database of ripper | Prices being stored to database |
| **T-34** | Price Updating | User uses web browser to navigate web pages. | Database of ripper | Periodic updating of database |